PTO/SB/08a (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Office of the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		10671351		
	Filing Date		2003-09-25		
INFORMATION DISCLOSURE	First Named Inventor Larry		A. Jacobson		
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2857		
(Not for Submission under 57 of K 1.55)	Examiner Name Mo		celheny Jr. Donald E.		
	Attorney Docket Numb	er	1391-44400		

	U.S.PATENTS					Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
DM	1	3946226		1976-03-23	Smith, Jr.	
DM	2	4055763		1977-10-25	Antkiw	
	3	4122339		1078 10 24	Smith, Jr., et al.	
					Omar, or, or a.	
DM	4	4122340		1978-10-24	Smith, Jr., et al.	
DM	5	4239965		1980-12-16	Oliver et al.	
DM	6	4297575		1981-10-27	Smith, Jr., et al.	
DM	7	4430567		1984-02-07	Oliver et al.	
DM	8	4605854		1986-08-12	Smith, Jr.	

Application Number 10671351 Filing Date 2003-09-25 First Named Inventor Larry A. Jacobson Art Unit 2857 Examiner Name Mcelheny Jr. Donald E.

Attorney Docket Number

1391-44400

DM	9	4645926		1987-0	2-24	Randall					
DM	10	4656354		1987-0	4-07	Randall	·				
-	11	5374823		1004_1	2_20	Odom					_
DM	12	5525797		1996-0	6-11	Moake			, <u>.</u>		
DM	13	5608214	A	1997-0	3-04	Evans					
	14	5000637		1000 0	5 04	Odom et al.					
If you wis	h to a	 dd additional U.S. Pate	nt citatio	n inform	ation pl	ease click the	Add button.		Add		
						CATION PUBL			Remove		
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publica Date	ition	Name of Pate of cited Docu	entee or Applicant ment	Releva		ines where	
	1										
If you wis	h to ar	dd additional U.S. Publi	shed An	plication	citation	n information n	blease click the Ado	d buttor	Add		
you wis						ENT DOCUM			Remove		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²		Kind Code4	Publication Date	Name of Patente Applicant of cited Document	e Or	where Rele	or Relevant	T5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10671351	
Filing Date		2003-09-25	
First Named Inventor	Larry	A. Jacobson	
Art Unit		2857	
Examiner Name	Mcel	heny Jr. Donald E.	· · · · · · · · · · · · · · · · · · ·
Attorney Docket Numb	er	1391-44400	

DM	1	0552073	EP	B1	1993-07-21	Albats et al.		
If you wis	h to ac	dd additional Foreign Pa	atent Document	citation	information pl	ease click the Add buttor	Add	1
			NON-PATE	NT LITE	RATURE DO	CUMENTS	Remove	
Examiner Initials*	Cite No Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.							T5
DM	1		ells," SPE 35162,			d Neutron Techniques For L & Gas Recovery Conferenc		
DM	2	ANONYMOUS, "Log Inte	erpretation Charts	," Dress	er Atlas, Dresse	r Industries, Inc., USA, Jun	e 1983, 2 pages.	
DM	3	TITTMAN, J. et al., "The Physical Foundations Of Formation Density Logging (Gamma Gamma)," Goephysics, Vol. XXX, No. 2, April, 1965, pages 284-293.						
DM	4	ODOM, RICHARD C. et al., "A New 1.625" Diameter Pulsed Neutron Capture And Inelastic/Capture Spectral Combination System Provides Answers In Complex Reservoirs," SPWLA 35th Annual Logging Symposium, June 1994, 19 pages.						
DM	5	ODOM, RICHARD C., Program And Pertinent Slides From A Presentation by Richard C. Odom at SIAM Symposium On Inverse Problems: Geophysical Applications, December 17, 1995, 5 pages.						
DM	6	RANDALL, RUSSEL R. et al., "PDK-100 Log Examples In The Gulf Coast," 26th Annual SPWL Logging Symposium, June 17-20, 1985, 25 pages.						
DM	7	RANDALL, RUSSEL R. et al., "PDK-100 Enhances Interpretation Capabilities For Pulsed Neutron Capture Logs," 27th Annual SPWL Logging Symposium, June 9-13, 1986, 16 pages.						
DM	8		on Oxygen Atoms	," IEEE I	Nuclear Science	ergy Gammas Produced By Symposium And Medical I		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10671351	
Filing Date		2003-09-25	
First Named Inventor	Larry	A. Jacobson	
Art Unit		2857	
Examiner Name	Mcel	heny Jr. Donald E.	
Attorney Docket Numb	er	1391-44400	

DM	9	SCHNIEDER, B.D., et al., "Using Pulsed Neutron Decay-Spectrum Data And Multi-Inflatable Packer Plugdown Assemblies Improve Oil Production Rates In a Mature CO2 Flood," SPE 35165, SPE Permian Basin Oil & Gas Recovery Conference, March 27-29, 1996, pgs. 203-209, Midland, Texas.						
	10	ODOM, R.C. et al., "Applications And Derivation Of A New Cased-Hole Density Porosity In Shaly Sands," SPE 38699, SPE Annual Technical Conference and Exhibition, October 5-8, 1997, pages 473-487, San Antonio, Texas.						
DM	11	ODOM, R.C. et al., "Shaly Sand Analysis Using Density-Neutron Porosities From A Cased-Hole Pulsed Neutron System," SPE 55641, SPE Rocky Mountain Regional Meeting, May 15-18, 1999, 10 pages, Gillette, Wyoming.						
DM	12	ODOM, R.C. et al., "A Pulsed Neutron Analysis Model For Carbon Dioxide Floods: Application To The Reinecke Field, West Texas," SPE 59717, SPE Permian Basin Oil & Gas Recovery Conference, March 21-23, 2000, 4 pages, Midland, Texas.						
DM	13	ODOM, R.C. et al., "Examples Of Cased Reservoir Analysis In The Ventura Basin, California," SPE 62850 SPE/AAPG Western Regional Meeting, June 19-23, 2000, 7 pages, Long Beach, California.						
	14	ODOM, R.C. et al., "Assessing The Capabilities Of A Cased-Hole Reservoir Analysis System In The Gulf Of Thailand," SPE 64404, SPE Asia Pacific Oil And Gas Conference And Exhibition, October 16-18 2000 10 pages, Brisbane, Australia.						
	ODOM, R.C. et al. "Log Examples With A Prototype Three-Detector Pulsed-Neutron System For Measurement OF Cased-Hole Neutron And Density Porosities," SPE 7 1042, SPE Rooky Mountain Petroleum Technology Conference, May 21-23, 2001, Keystone, Colorado, 10 pages.							
	ODOM, R.C. et al. "Improvements In A Through-Casing Pulsed-Neutron Density Log," SPE 71742, SPE Annual Technical Conference And Exhibition, September 30 - October 3, 2001, New Orleans, Louisiana, 9 pages.							
If you w	ish to a	dd additional non-patent literature document citation information please click the Add button Add						
		EXAMINER SIGNATURE						
Examin	er Signa	ature /Donald McElheny Jr/ Date Considered 07/05/2006						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								
Standard 4 Kind of o	¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.							